ABSTRACT OF THE DISCLOSURE

A method for automatically deciding an Internet address of a device newly connected to a network is provided. Addresses of all the other devices connected to the network are collected by receiving and analyzing signals flowing through the network. IP address for the newly connected device is selected in such a manner that it is different from any of the collected addresses. It is checked whether the selected IP address matches with the IP address of any of other device connected to the network. If the selected IP address matches with the IP address of any other device, the selection of the IP address is repeated until the selected IP address does not match with the IP address of any other device.